



Public Water Supply Administrative Rules

Proposed Rule Changes to the SDWA

- Ground Water Rule
 - LT2 (Surface Water Treatment Rule)
 - Lead/Copper
 - Stage 2 (Disinfection by Products)
-
- Probable Effective Date – early 2010

Contingency Plans or Emergency Response Plans

- Act 399 requires community water systems to prepare a Contingency Plan
 - Outline a program for rapid correction or mitigation of emergencies
 - Except systems licensed annually or those serving less than 50 living units or less than 200 people
- The Bioterrorism Act of 2002 required public water systems > 3,300 to prepare an Emergency Response Plan
 - Describes actions in response to major threats, disasters or emergencies, including catastrophic events and malevolent acts.

Draft ERP Rules

- Part 23 – “Emergency Response” to replace “Contingency”
- Systems will have 3 years from effective date to update existing plan or create a new plan
- Biggest change is for systems <3300 to incorporate planning for malevolent acts
 - Operational procedures for evacuation, lock down & sampling
 - DEQ will likely modify existing templates to assist in complying with this new requirement

“Adequate” Pressure

- “Distribution systems shall have sufficient capacity to meet peak demands, including fire flow demands where fire protection is provided, while continuously maintaining a minimum of 35 psi throughout the distribution system under normal operating conditions and 20 psi throughout the distribution system during emergencies such as fire fighting.”

“Adequate” Pressure

- “For finished water pumping facilities taking direct suction from a distribution system, a minimum pressure of 35 psi under normal operating conditions and 20 psi during emergencies such as fire fighting shall be maintained in the distribution system on the low pressure side of the facility.”

Reliability Studies

- **R 325.11203 Study of water supply requirements for type I public water supply; proposal for compliance.**
- (2) The study required by subrule (1) shall be based upon 5-year and 20-year projections of water use by the public water supply. The study shall be updated every 5 years unless the owner demonstrates that water use projections are stable and this requirement is waived by the department.

Reliability Studies

- 1203 (4) Permits shall not be issued by the department to a public water supply unless an approved study of water supply quantity requirements is available.

General Plans

- Rule 1604. The general plan for a waterworks system shall contain a description of the water system, including both of the following:
 - (a) The general layout of the entire waterworks system, including treatment systems and distribution systems, and the location of valves, hydrants, storage tanks, water mains, pumps, wells, and pumping facilities.
 - (b) Rated capacity of the waterworks system, including capacity of the developed water source, treatment system, storage tanks, pumping facilities, and equipment to maintain system reliability.

General Plans

Rule 1605 The general plan for a waterworks system that has a distribution system intended to provide fire protection shall include all of the following information:

- (a) A hydraulic analysis of the distribution system showing pressure contours under peak demands.
- (b) An inventory of water main by size and material and age.
- (c) Service area maps including existing and future service area boundaries.

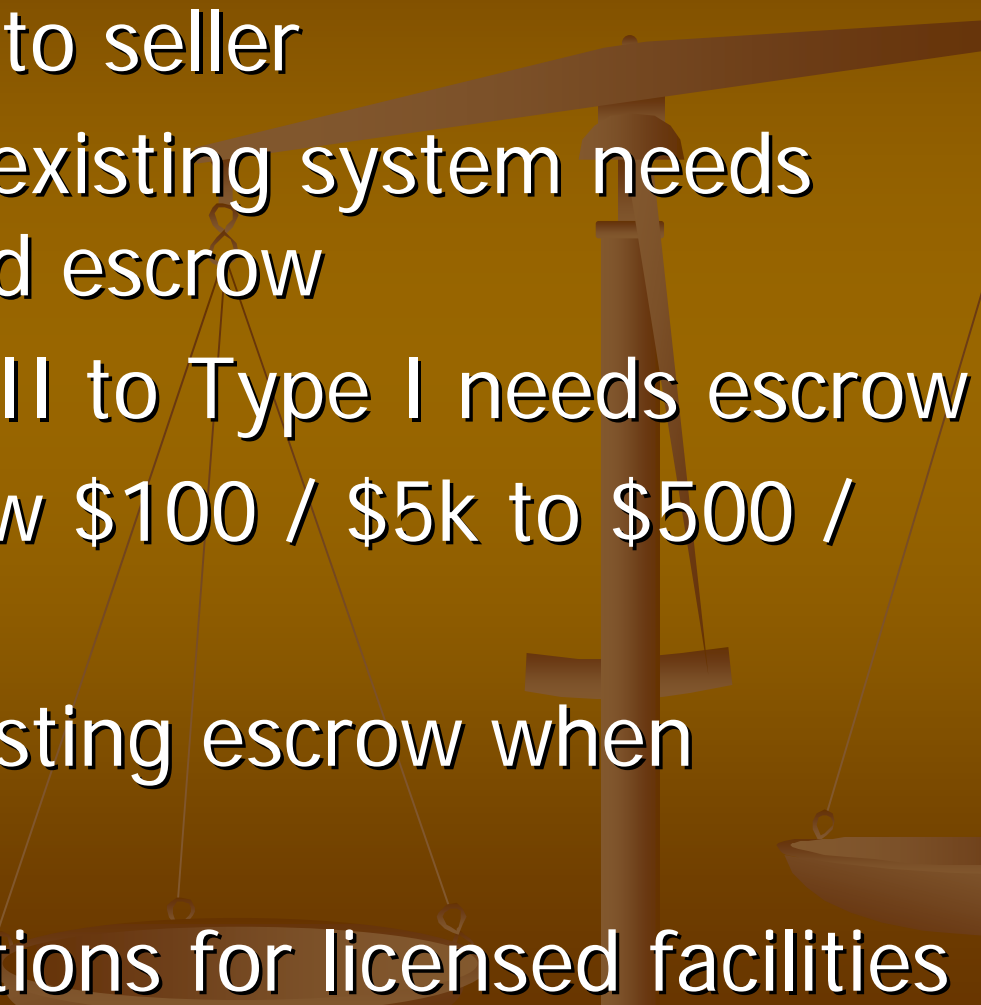
General Plans

Rule 1606. (1) The general plan for a waterworks system that is publicly owned or operated shall include a capital improvements plan that identifies water system needs for 5-year and 20-year planning periods.

- (2) A publicly owned or operated community system may include additional information with the general plan, including but not limited to the current reliability study, annual pumpage report, sample siting plan, source water protection plan, water conservation/efficiency program, waterworks operation and maintenance programs, regional planning documents, and relevant zoning and land use plans for the service area.

Privately Owned CWS

Part 17 of rules promulgated under 1976 PA 399 SDWA

1. Return escrow to seller
 2. New owner of existing system needs LUG refusal and escrow
 3. Existing Type III to Type I needs escrow
 4. Increase escrow \$100 / \$5k to \$500 / \$10k
 5. Recalculate existing escrow when expanding
 6. Remove exceptions for licensed facilities
- 



Rule 1908 Revisions

- ❑ Rule discusses Advisory Board powers & duties, including continuing education approvals
- ❑ Revision requires Advisory Board to categorize approved continuing education training as
 - Technical
 - Managerial
 - Other



Rule 1913 Recinded

- ❑ Previous rules allowed certified individuals to maintain “inactive” certifications
- ❑ December 8, 2000 rules no longer allowed inactive certificates
- ❑ This rule allowed individuals with inactive certificates to complete necessary, prorated continuing education training and be issued an equivalent certificate

Part 8.

GROUNDWATER SOURCES

PROPOSED CHANGES

Language Clarification – Consistency
Incorporate Concept of GW Modeling
and Capture Zone of Well
Hydrogeological Conditions and ARI

Language Clarification - Consistency

Rule 802 (1) – Change to reflect PWSS
is regulated, not the well

“The provisions of this part apply to wells
used to supply groundwater for a public
water supply”

to

“This part applies to public water supplies
that use wells to supply groundwater for a
public water supply”

GW Modeling and Capture Zones

Rule 812 – Location of Wells

“Based on hydrogeological studies, the department may require an increase or approve a decrease...”

to

“The department may require an increase or approve a decrease based on a study of hydrogeological conditions or other methods approved by the department for identifying the capture zone of a well”

Rule 813


Hydrogeological Conditions

- 1) "proposed well" changed to "test well"
- 3) A study of hydrogeological conditions Includes the following:
 - k) ID of contributing area based on GW flow modeling
 - l) Location of test well as latitude and longitude
- 5) Part 327 - Where ARI likely stream flow measurements may be required

Part 28 Rule Changes

- Changes title to “Source Water Protection Grant Assistance.”
- Adds rules and definitions to allow for a Surface Water Intake Protection Grant Program modeled after the existing Wellhead Protection Grant Program.

Part 28 Rule Changes

- Prioritizes the disbursement of Surface Water Intake Protection grant money based on susceptibility rating.
 - Adds definitions and grant money eligibility for groundwater communities with approved computer-modeled wellhead protection areas.
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- A stylized, layered mountain range graphic in shades of teal and blue, located in the bottom right corner of the slide.

Treatment - Plans, Permits, & Operating Reports

- R 325.11304 Plans & Permits
- R 325.11502 Operation Reports

Plans, permits & reports are required where treatment is employed for public health purposes.

Change to add: Treatment such as chemical injection that can be for aesthetic purposes (i.e. injecting chlorine for taste & odor), but has public health implications if done improperly.

Coliform Negative Results

Construction, Repair, Seasonal

- R 325.10831 Wells
- R 325.11110 Distribution & Seasonal
- R 325.11117 Storage Tanks

Stipulates chlorine be absent as applicable prior to sampling for coliform bacteria.

Two or More Waterworks Under Same Ownership & Location

- ◆ Rule 325.10503: Propose to alter language to allow individual systems not meeting the CWS/NCWS and ones meeting the definition to be considered collectively as a single water supply.

32 UNITS SAME OWNER & PROPERTY



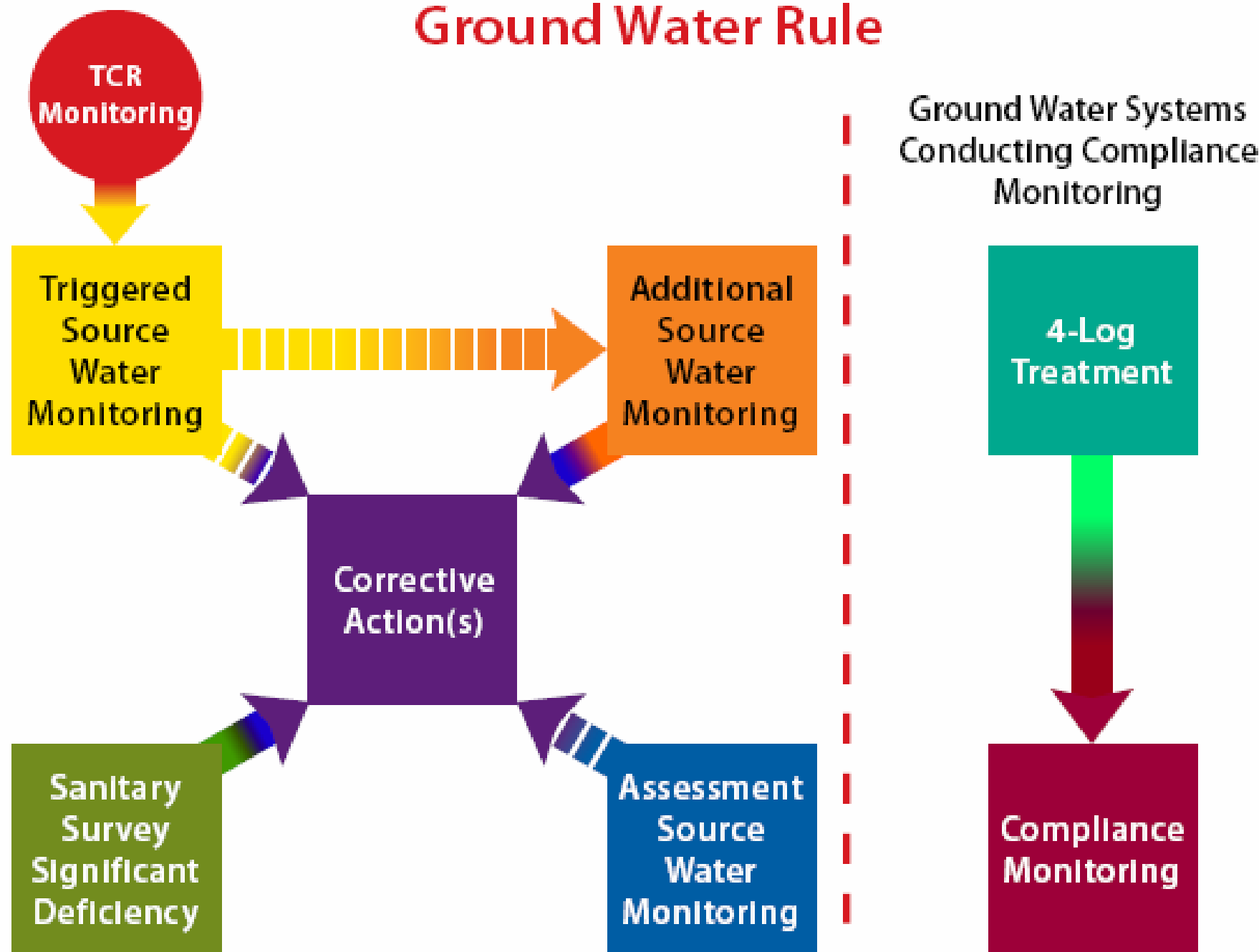
32 UNITS SAME OWNER & PROPERTY



Ground Water Rule

- Effective December 1, 2009
- Applies to all Public Water Supplies that use groundwater including consecutive systems.
- Includes provisions for triggered source water sampling, sanitary surveys and 4-log treatment of viruses.

Ground Water Rule



Stage 2 DBP Rule

- Effective January 1, 2006
- Includes TTHM/HAA5 sampling
- Compliance based on Locational Running Annual Average
- Currently enforced by EPA
- State will take over regulatory duties in October 2009 beginning with Schedule 3 and 4 IDSE report review

Long Term 2 (LT2) Enhanced Surface Water Treatment Rule

The LT2 rule applies to:

- Water plants using surface water or ground water under the direct influence of surface water (GWUDI) as a source of water
- Includes Community and Noncommunity water plants

Lead and Copper Rule

Short Term Revisions

1. Minimum # of samples Rule 710a(3) to (4)
2. Compliance and monitoring periods various
3. Reduced monitoring criteria Rule 710a(4)(d)
4. Consumer notice of lead results Rule 410(5)
5. Long-term treatment changes various rules
6. Public education requirements Rule 410
7. Resume LSL replacement Rule 604f(5)

www.epa.gov/safewater/lcrmr/compliancehelp_draftguidance.html

Revised Coliform Rule

- There was an agreement in principal on general issues between the state representatives and EPA.
- EPA to develop rule language.

Present EPA Schedule

- Proposed Rule - 2010 (followed by a comment period)
- Final Rule - 2012
- Effective Date - 2015

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